**Pump Design Sheet** **For:** Craig & Karan Mathiason - 2596 Brawley School Rd **By:** Daniel McNeil

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|---|---|---|---|
| System Length (linear ft) | 270 | Total Flow (gpm) | 27.88 |
| # of 16in Panels | 62 | | |
| # of Lines | 5 | | |
| Hole Size (in) (5/32=.156 3/16=.118) | 0.156 | Friction Loss (ft) - Supply Line | 8.75 |
| Drainfield Pipe Size (in) | 1.25 | Friction Loss (ft) - Valve Box | 4.00 |
| Supply Line Size (in) | 2 | Friction Loss (ft) - Drain Lines | 14.57 |
| Supply Line Length (ft) | 400 | | |
| Pressure Head (ft) | 2 | Friction Loss (ft) - Total | 27.32 |
| Elevation Head (ft) | 10 | | |
| | | Total Dynamic Head (ft) | 47.82 |

When choosing a pump for this system, you will need a pump that can deliver:

**27.88** GPM against **47.82** FT of Total Dynamic Head

| | |
|---|---|
| Dose Volume (gal) | 224.31 |
| Pump Run Time (min) | 8.05 |
| Tank Drawdown (in) | 10.68 |